

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A color liquid crystal display comprising:
a plurality of layers including a liquid crystal layer; and
a plurality of backlight layers comprising at least one first light guide layer for coupling only a red light, at least one second light guide layer for coupling only a green light, and at least one third light guide layer for coupling only a blue light, said first light guide, said second light guide, and said third light guide being positioned to illuminate a surface of said liquid crystal layer, said first light guide layer, said second light guide layer, and said third light guide layer lying in a different plane.

2. (currently amended) The display of Claim 1 further comprising a red LED optically coupled to said first light guide layer, a green LED optically coupled to said second light guide layer, and a blue LED optically coupled to said third light guide layer.

3. (currently amended) The display of Claim 1 wherein first light guide layer comprises a plurality of light guides receiving red light, said second light guide layer comprises a plurality of light guides receiving green light, and said third light guide layer comprises a plurality of light guides receiving blue light.

4. (cancelled)

5. (cancelled)

6. (currently amended) A color liquid crystal display comprising:
a plurality of layers including a liquid crystal layer; and
a backlight comprising at least one first light guide for coupling a red light, at least one second light guide for coupling a green light, and at least one third light guide for coupling a blue light, said first light guide, said second light guide, and said third light guide being positioned to illuminate a surface of said liquid crystal layer,

wherein said first light guide, said second light guide, and said third light guide comprise fiber optic cables arranged adjacent and parallel to each other, wherein said fiber

optic cables have deformities to cause light to leak out of said fiber optic cables, and the display of claim 5 wherein said deformities are positioned such that light leaks out of said fiber optic cables only in areas corresponding to pixel positions.

7. (currently amended) A color liquid crystal display comprising:
a plurality of layers including a liquid crystal layer; and
a backlight comprising at least one first light guide for coupling a red light, at least one second light guide for coupling a green light, and at least one third light guide for coupling a blue light, said first light guide, said second light guide, and said third light guide being positioned to illuminate a surface of said liquid crystal layer. ~~The display of Claim 1~~ wherein said first light guide, said second light guide, and said third light guide have deformities to cause light to leak out of each said light guide.

8. (currently amended) The display of Claim 7 wherein said deformities are positioned such that light leaks out of each said light guide layer only in areas corresponding to pixel positions.

9. (original) The display of Claim 8 wherein said deformities are arranged in columns to coincide with columns of pixels.

10. (currently amended) The display of Claim 1 wherein each said light guide layer includes lenses for collimating light exiting each said light guide layer.

11. (currently amended) The display of Claim 1 wherein each of said first light guide layer, said second light guide layer, and said third guide layer is a transparent sheet, said first light guide layer overlying said second light guide layer, and said third light guide layer overlying said second light guide layer.

12. (original) The display of Claim 1 wherein said plurality of layers comprises:
a first polarizing filter;
an energizing array;
a liquid crystal layer; and
a second polarizing filter.

13. (original) The display of Claim 12 wherein said energizing array is a thin film transistor array.

14. (original) The display of Claim 12 wherein said plurality of layers lacks a color filter.

15. (currently amended) A method performed by a color liquid crystal display, said display comprising a plurality of layers including a liquid crystal layer; and a plurality of backlight layers comprising at least one first light guide layer for coupling only a red light, at least one second light guide layer for coupling only a green light, and at least one third light guide layer for coupling only a blue light, said first light guide, said second light guide, and said third light guide being positioned to illuminate a surface of said liquid crystal layer, said first light guide layer, said second light guide layer, and said third light guide layer lying in a different plane, said method comprising:

energizing a red light emitting diode (LED) optically coupled to said first light guide layer;

energizing a green LED optically coupled to said second light guide layer;

energizing a blue LED optically coupled to said third light guide layer; and

selectively controlling said liquid crystal layer to display an image comprising a combination of red, green, and blue light.

16. (currently amended) The method of Claim ~~15~~ 17 wherein said first light guide, said second light guide, and said third light guide comprise fiber optic cables arranged adjacent and parallel to each other.

17. (currently amended) A method performed by a color liquid crystal display, said display comprising a plurality of layers including a liquid crystal layer, and a backlight comprising at least one first light guide for coupling a red light, at least one second light guide for coupling a green light, and at least one third light guide for coupling a blue light, said first light guide, said second light guide, and said third light guide being positioned to illuminate a surface of said liquid crystal layer, said method comprising:

energizing a red light emitting diode (LED) optically coupled to said first light guide;

energizing a green LED optically coupled to said second light guide;

energizing a blue LED optically coupled to said third light guide; and

selectively controlling said liquid crystal layer to display an image comprising a combination of red, green, and blue light.

~~The method of Claim 15~~ wherein said first light guide, said second light guide, and said third light guide have deformities to cause light to leak out of each said light guide, and wherein said energizing each said LED causes light to reflect off said deformities and exit each said light guide only in areas corresponding to pixel positions.

18. (original) The method of Claim 17 wherein said deformities are arranged in columns to coincide with columns of pixels.

19. (currently amended) The method of Claim 15 wherein each of said first light guide layer, said second light guide layer, and said third guide layer is a transparent sheet, said first light guide layer overlying said second light guide layer, and said third light guide layer overlying said second light guide layer.

20. (original) The method of Claim 15 wherein said plurality of layers comprises a first polarizing filter, a thin film transistor array, said liquid crystal layer, and a second polarizing filter, said selectively controlling said liquid crystal layer comprising:

selectively activating transistors in said thin film transistor array.

21. (previously added) The method of Claim 15 wherein energizing the red LED, energizing the green LED, and energizing the blue LED comprise energizing the red LED, the green LED, and the blue LED concurrently.

22. (currently amended) The display of Claim 1 further comprising:

a red light source coupled to the first light guide layer;

a green light source coupled to the second light guide layer; and

a blue light source coupled to the third light guide layer;

the red light source, the green light source, and the blue light source being concurrently energized to emit their respective light colors.